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PUBLIC HEALTH REPORTS.

VOL. XXV. APRIL 8, 1910. No. 14.

THE OPENING OF A NATIONAL CAMPAIGN ON ORAL HYGIENE.

A national campaign on oral hygiene was opened in Cleveland, Ohio, March 18, 1910, under the auspices of a committee of the National Dental Association, and at the instance of President Taft Passed Asst. Surg. C. W. Wille, of the Public Health and Marine-Hospital Service, was detailed to attend the meeting in a representative capacity. In an address Doctor Wille expressed the interest of the President in the objects of the movement and commended those responsible for its inauguration.

In his report of the objects and methods of the campaign he states in part as follows:

The efforts of the committee on oral hygiene of the National Dental Association to secure the appointment of district dental inspectors and to provide for widespread dental education on oral hygiene in the public schools of the country had their inception in 1898. Because of a lack of proper appreciation of the importance of the subject on the part of the various dental and medical societies, boards of health and education, the movement lagged, and it was not until two or three years later that a few pages on the physiology of the teeth were inserted in some of the text-books on this subject.

Russia was the pioneer in this movement, having established a system of inspection of the teeth of the children in the public schools as early as 1879. Since then Germany, Great Britain, France, Belgium, Holland, Denmark, Italy, Japan, and New South Wales have instituted similar inspection.

In this country the State of Massachusetts has taken cognizance of the importance of this work, so that at present popular lectures on dental hygiene and prophylaxis are permitted in some of the public schools under the supervision of the respective boards of public education. At this time the city of New York maintains clinics for the care of the teeth of the children of the indigent poor. The city of Rochester maintains one clinic. Some of the cities of New Jersey, Indiana, Illinois, Mississippi, Iowa, Minnesota, Georgia, and Washington have instituted dental examinations to date.

At the convention of the National Dental Association held two years ago one session was devoted to the subject of oral hygiene, at which, on account of the enthusiasm of its delegation, the city of Cleveland was selected as the headquarters of the national committee

on oral hygiene. By persistent effort this committee obtained a hearing before the Cleveland board of education, as a result of which permission was granted to make dental examinations in 4 of its public schools.

This examination of 2,677 pupils was conducted by members of the local dental society under the supervision of the chairman of the committee on oral hygiene of the National Dental Association, disclosing the fact that 97 per cent of the children gave evidences of dental and oral diseases. These statistics were incorporated in a petition to the board of education, the national, state, and local associations participating, their report concluding with the following recommendations:

(1) Requesting permission to place one dental inspector in each school.
(2) To permit the establishment of 4 centrally located dispensaries for treating the teeth of the children of the indigent poor.
(3) To permit the placing of one clinic in the Marion School, where pupils could receive proper dental attention, where careful records would be kept to demonstrate increased working efficiency of the children as well as a diminished tendency to contract infectious and contagious disease.
(4) To establish practical and illustrated talks to parents, teachers, and scholars on subjects pertaining to dental hygiene in the assembly rooms of the schools.
(5) These services to be rendered by members of the local dental society, free of charge, to demonstrate existing conditions, a reduction of the incidence of disease, increased working efficiency of the scholars, and to secure data with which to demonstrate to the State and public at large that such combination of inspection, treatment, and lectures had proven of value.

Upon the receipt of this petition the board of public education of the city adopted a resolution permitting the establishment of this system of inspection, treatment, and lectures in 4 schools for the period of one year, as above outlined, all arrangements to be carried out through the director of schools, aided by the social center committee, the results of the work to be filed with the board by January 1, 1911.

The report of this resolution was received by the committee of four, representing the national, state, and local committees on oral hygiene and the committee on education and hygiene of the local dental society, and at its request 18 members of the Cleveland dental society, including its executive council, were appointed to act in conjunction with it in formulating plans to carry on the work in that city. These plans provided for the following:

(1) Examinations of 56,000 pupils.
(2) Maintenance of 4 clinics in public schools for thirty weeks of five days each.
(3) The establishment of lecture courses on dental hygiene.
(4) The equipment of the dispensaries to be furnished by the national and state societies.
(5) The professional services, or funds in lieu thereof, to be furnished by the Cleveland dental society.

These plans received the indorsement of the committee of 22 and were recommended to the Cleveland dental society for adoption.

Following the adoption of this schedule as outlined, the large committee of 22 resolved itself into 3 subcommittees, each to consider separately the subjects of dental examinations, clinics, and education and lectures, and to formulate plans as to the best methods wherewith these examinations, clinics, and lectures might be carried on. The committee on examinations prepared the necessary record forms, requests for examinations, and records of examinations. The committee on clinics formulated the rules for the proper conduct of the dispensaries.

The committee on lectures made recommendations as to the scope and character of the popular talks on the following subjects:

(1) The anatomy and physiology of the teeth.
(2) The care of the teeth and oral cavity from the prophylactic standpoint.
(3) The care of diseased teeth and oral conditions.

It was decided that papers upon these topics were to be prepared individually by the members of 4 corps of 5 men each, these papers to be compared and rewritten into a uniform talk upon each subject. The lectures were to be so arranged as to cover the entire public-school system of the city.

Upon recommendation of the committee on education and hygiene of the Cleveland dental society these plans of the larger committee were adopted by the local society. With the adoption of these plans, and having had the consent of the board of public education to institute the proposed system of dental inspection, clinics, and lectures in the public schools, it was only necessary to arrange details and purchase the necessary equipment before the system might become operative.

Under the auspices of the national association it is intended to pursue a course similar to that detailed above in carrying this campaign into the various cities and States of the Union, the purpose of the campaign being to bring the importance of this subject fully and frankly before parents, educators, social workers, and philanthropists to invite the public to an open discussion on oral hygiene and to determine how best to further the popular movement for the better care of the mouth and teeth.

The opening of the campaign on oral hygiene at Cleveland, Ohio, March 18, 1910, under the auspices of the National Dental Association, the Ohio state dental society, and the Cleveland dental society began with the dedication and formal opening of the dental clinics in connection with 4 of the public schools and 2 parochial schools. Dedication addresses were made in each school by members of the national dental association and were replied to by members of the Cleveland dental society accepting the equipment of these clinics at the hands of the national association.

The afternoon exercises were held at Gray's armory, Dr. G. C. Ashmund, president of the board of education of Cleveland, presiding. The address of welcome was by Superintendent of Schools W. H. Elson, and was responded to by Richard Grady, dental surgeon, United States Naval Academy, for the national association. Superintendent Elson promised his cooperation in the movement. Doctor Grady predicted that the movement would become of national extent when the public began to realize that good teeth meant good health.

Dr. J. W. Dowd, ex-superintendent of schools of Toledo, Ohio, in an address on "Why we need oral hygiene in the public schools," explained the necessity of keeping the mouth in a sanitary condition to insure good health in the schoolroom. In her address on "The importance of lectures in the school buildings" Mrs. Sarah E. Hyre, chairman of the free lectures and social center work of the board of education, spoke of the necessity for illustrated lectures to accomplish the best results among the foreign element in our public schools.

Dr. W. T. Jackman, of the Ohio State Dental Society, in his address on "The state work" advocated the establishment of dental clinics

in every state institution. Dr. Weston A. Price of the Cleveland dental society, addressing the meeting on "The local work," spoke of the benefits derived from proper oral sanitation and of the results which should follow the efforts of the proposed 20 lecturers on oral topics, who would be selected from the ranks of the Cleveland dental society.

Dr. J. P. Corley of the National Dental Association, addressing the meeting on "Some of the difficulties which we have encountered," stated his belief that the public would readily pay any increase in taxation which the support of the dental clinic in the schools might render necessary when once the benefits to be derived from this attention were made evident to the taxpayer.

The evening meeting was held in the armory, former Governor Myron T. Herrick presiding. In the address of welcome Mayor Herman C. Baehr spoke of his appreciation of the importance of this movement as it related to the welfare of the city, and promised his efforts in an endeavor to secure the appropriation by the city council of sufficient funds to extend the scope of the work. Dr. Burton Lee Thorpe, president of the National Dental Association, responded.

Dr. W. G. Ebersole, chairman of the oral hygiene committee of the National Dental Association, speaking on "The importance of oral hygiene," impressed upon his audience the need of educating the public in the correct use of the mouth and teeth, and explained the system of inspection, dental attendance, and popular lectures which will be followed in Cleveland.

Dr. W. A. Evans, commissioner of health of Chicago, spoke on "The relation of conditions of the oral cavity to the health and morals of school children." He cited statistics covering the incidence of disease in the children of the public schools of Chicago, and explained how readily moral and physical degeneracy might result from decayed and diseased teeth.

Dr. H. C. Brown, representing Governor Harmon addressed the meeting on "The attitude of the State toward public health," declaring that ignorance of true conditions was responsible for the inactivity displayed by legislators respecting this aspect of public health work. My address on "The attitude of the Government toward public health," closed the evening session.

The attendance upon the afternoon and evening meetings numbered 4,000, showing a widespread popular interest in the movement. More than 100 visiting dentists representing many States of the Union attended the opening of this campaign.

UNITED STATES.

REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

PLAGUE-PREVENTION WORK.

Infected Ground Squirrels.

Four infected ground squirrels were found in Oakland Township, Alameda County, March 8, 1910.

Passed Assistant Surgeon McCoy reports:

SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last case of rodent plague trapped October 23, 1908. Total number of rats found infected to date, 398.

Week ended March 19, 1910. Premises inspected, 1,352. Houses destroyed, 8. Nuisances abated, 174. Poisons placed, 6,510. Rats trapped, 2,070. Rats found dead, 10. Gophers trapped, 3. Average number of traps set daily, 7,381. Rats identified, 2,080, as follows: *Mus norvegicus*, 1,438; *Mus rattus*, 93; *Mus musculus*, 413; *Mus alexandrinus*, 136. Examined bacteriologically, 1,670 rats and 3 gophers. No plague infection found.

BERKELEY, CAL.

There is no record of rodent plague in Berkeley. The last case of human plague sickened August 28, 1907.

Week ended March 19, 1910. Rats trapped, 18. Rats examined bacteriologically, 18. No plague-infected rats found.

OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last case of rodent plague found December 1, 1908.

Week ended March 19, 1910. Rats found dead, 16. Rats trapped, 602. Rats identified, 618, as follows: *Mus norvegicus*, 520; *Mus rattus*, 1; *Mus musculus*, 96; *Mus alexandrinus*, 1. Rats examined bacteriologically, 503. No plague-infected rats found.

ALAMEDA COUNTY, CAL. (EXCLUSIVE OF OAKLAND).

Last case of human plague sickened 2 miles southwest of Sunol September 26, 1909. Last plague-infected rodent found March 8, 1910. To the present time 70 ground squirrels and 1 wood rat have been found infected.

Week ended March 19. Ranches inspected, 19. Ground squirrels shot, 136. Gophers trapped, 116. Weasels trapped, 3. Acres covered with poison, 124. Examined bacteriologically, 136 squirrels, 116 gophers, 3 weasels. Four plague-infected squirrels found.

The plague-infected squirrels were found in Oakland Township.

FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County.

Week ended March 19. Ranches inspected, 29. Ground squirrels shot, 573. Ground squirrels examined bacteriologically, 570. No plague-infected squirrels found.

MADERA COUNTY, CAL.

There is no record of human or rodent plague in Madera County.

Week ended March 19. Ranches inspected, 9. Ground squirrels shot, 265. Ground squirrels examined bacteriologically, 261. No plague-infected squirrels found.

MERCED COUNTY, CAL.

There is no record of human or rodent plague in Merced County.

Week ended March 19. Ranches inspected, 7. Ground squirrels shot, 223. Rabbits shot, 30. Examined bacteriologically, 219 squirrels and 30 rabbits. No plague infection found.

MONTEREY COUNTY, CAL.

There is no record of human or rodent plague in Monterey County.

Week ended March 19. Ranches inspected, 35. Ground squirrels shot, 399; found dead, 4. Ground squirrels examined bacteriologically, 400. No plague-infected squirrels found.

RIVERSIDE COUNTY, CAL.

There is no record of human or rodent plague in Riverside County.

Week ended March 19. Ground squirrels shot, 4. Ground squirrels examined bacteriologically, 4. No plague-infected squirrel found.

SAN MATEO COUNTY, CAL.

There is no record of human or rodent plague in San Mateo County.

Week ended March 19. Ranches inspected, 5. Ground squirrels shot, 107. Ground squirrels examined bacteriologically, 101. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

There is no record of human of rodent plague in Santa Barbara County.

Week ended March 19. Ranches inspected, 25. Ground squirrels shot, 205. Ground squirrels examined bacteriologically, 203. No plague-infected squirrels found.

SANTA CLARA COUNTY, CAL.

There is no record of human plague in Santa Clara County. A plague-infected rodent was found November 3, 1909. Total number of ground squirrels found infected to date, 9.

Week ended March 19. Ranches inspected, 37. Ground squirrels shot, 139. Ground squirrels examined bacteriologically, 136. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL.

There is no record of human plague in San Luis Obispo County. A plague-infected rodent was found January 29, 1910.

Week ended March 19. Ranches inspected, 19. Ground squirrels shot, 144. Ground squirrels examined bacteriologically, 144. No plague-infected squirrels found.

TULARE COUNTY, CAL.

There is no record of human or rodent plague in Tulare County.

Week ended March 19. Ranches inspected, 134. Ground squirrels shot, 472; found dead, 1. Rabbits shot, 13. Examined bacteriologically, 470 squirrels and 13 rabbits. No plague infection found.

VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County.

Week ended March 19. Ranches inspected, 6. Ground squirrels shot, 69; found dead, 1. Ground squirrels examined bacteriologically, 70. No plague-infected squirrels found.

BERIBERI IN SOUTH CAROLINA.

Acting Assistant Surgeon Sams at Charleston reports, March 27:

An outbreak of beriberi has occurred among the colored convicts in camp at Ten Mile hill, about 10 miles from Charleston, S. C. There have been similar cases noted twice during the last 5 years at this and a like camp situated about the same distance from Charleston, but separated from the Ten Mile hill stockade by the Ashley River.

Through the courtesy of the attending surgeon I was permitted to visit the stockade to-day, examine the patients, and learn the history of the majority of the cases.

The location of the stockade is on a dry, sandy elevation, well drained, and open to a plentiful supply of fresh air and sunshine. The water for drinking purposes and for bathing is a good potable water, the same as is piped to Charleston. Flush closets are used to avoid soil pollution. The sleeping quarters are in a building about 100 by 30 feet, with high ceiling, a number of ventilators and windows, and a heavy wooden floor, the sleeping bunks being elevated several feet from the ground, open on all sides except the back, which is against the side of the building. Heating is by means of wood-burning stoves. In my opinion the location is good, and accommodations are all that is to be desired in regard to space, ventilation, and dryness.

The guards, who are white, occupy a part of the same building, only a hallway dividing their sleeping quarters from those of the convicts, yet their health has remained good. The food given the convicts is stated to be good and sufficient in quantity and quality, the usual cereals, fresh vegetables, meat daily, salt and fresh on alternating days. The guards have practically the same rations.

There are at present 31 convicts in the camp, all young adults. Of these 17 are ill, all taken sick within the present month, and one-half of this number within the last week.

The most marked symptoms were dropsy, œdema of chest wall, and swollen legs. Œdematous scrotum and penis present in some instances, the penis corkscrew in shape from swelling. Some had immensely swollen abdomens and thighs. Dyspnœa was marked in the bad cases. All had a tired dragging gait in walking, with diminished or lost patellar reflex. Dilated right heart, cardiac murmurs, and tachycardia on exertion were also noted. No fever present nor albumin in urine. Appetite remained good. No throat symptoms, but coated tongues in about one-third of the cases examined. No anæsthesia of skin. No tenderness on pressure over tibias, but soreness under knees. No paralysis. The œdema had a hard, brawny feel, only slightly pitting on firm pressure. Patients seem to feel very ill and despondent.

The history as given by them was of a sudden attack, generally after working in the ditches in fresh water, especially in certain localities. First there was pain in legs, most marked under knees, a heavy tired feeling, so that they wanted to rest, followed by rapid swelling of legs, which soon spread to thighs, face, chest, etc.

Vomiting preceded the attack in one case only. The rapidity of the invasion was the most noticeable feature. One case suddenly taken sick at work became so swollen before returning to the camp that the inner surfaces of the thighs became excoriated from walking. The case terminated fatally in 3 days.

There have been 2 deaths during the present outbreak, apparently from heart paralysis. Six deaths occurred prior to these, however, making a total mortality of 8 since the disease was first observed. No paralytic or ataxic cases were noted, that stage probably not having been yet reached.

The hard, brawny œdema commencing in legs, pains under knees, muscular weakness, diminished or absent knee jerk, no albuminuria, general anasarca and cardiac conditions, together with the suddenness of attack and rapidity of spread are, I believe, sufficiently characteristic of this disease to confirm the diagnosis.

Passed Assistant Surgeon Long at Columbia reports, March 30:

Examined 14 prisoners in state penitentiary; found 8 undoubted cases of beriberi. Patients had worked in drainage canals in Charleston County. No history of rice as food.

The diagnosis of these cases was confirmed by Doctor Long and Dr. C. F. Williams, state health officer.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended April 8, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Montgomery	Mar. 20-26	14		
Arkansas:				
Monticello	Year 1909	60		
California:				
San Francisco	Mar. 13-19	1		
District of Columbia	Mar. 20-26	7		
Florida:				
Duval County	Mar. 20-26	3		
Escambia County	Mar. 20-26	7		
Jackson County	Mar. 20-26	19		
Jefferson County	Mar. 20-26	15		
Leon County	Mar. 20-26	23		
Santa Rosa	Mar. 20-26	3		
Louisiana:				
New Orleans	Mar. 20-26	8		
Missouri:				
St. Louis	Mar. 20-26	2		
Oklahoma, general	Feb. 1-28	388	28	
Tennessee:				
Chattanooga	Mar. 20-26	4		
Knoxville	Mar. 20-26	5		
Memphis	Mar. 20-26	11		
Nashville	Mar. 20-26	1		
Texas:				
San Antonio	Feb. 13-Mar. 26	16		
Utah:				
Boxelder County	Feb. 1-28	3		
Cache County	Feb. 1-28	1		
Davis County	Feb. 1-28	16		
Juab County	Feb. 1-28	4		
Rich County	Feb. 1-28	1		
Salt Lake County	Feb. 1-28	22		
San Pete County	Feb. 1-28	1		
Sevier County	Feb. 1-28	5		
Uintah County	Feb. 1-28	9		
Utah County	Feb. 1-28	18		
Wasatch County	Feb. 1-28	3		
Weber County	Feb. 1-28	8		
Virginia:				
Lynchburg	Mar. 20-26	5		
Washington:				
Asotin County	Jan. 1-31	1		
Chelan County	Feb. 1-28	1		
Columbia County	Feb. 1-28	4		
Cowlitz County	Feb. 1-28	2		
Franklin County	Jan. 1-31	2		
King County	Jan. 1-31	5		
Kitsap County	Feb. 1-28	3	1	
Klickitat County	Jan. 1-31	15		
Lewis County	Jan. 1-31	2		
Lincoln County	Jan. 1-31	1		
Okanogan County	Feb. 1-28	2		
Pierce County	Jan. 1-31	1		
San Juan County	Jan. 1-31	1		
Skagit County	Jan. 1-Feb. 28	31		
Spokane County	Jan. 1-31	2		
Stevens County	Jan. 1-31	3		
Walla Walla County	Jan. 1-Feb. 28	29		
Whatcom County—				
Bellingham	Feb. 1-28	3	1	
Whitman County	Jan. 1-Feb. 28	21		
Yakima County	Jan. 1-31	6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham	Jan. 9–Feb. 12	19		
Mobile	Jan. 16–Mar. 19	9		
Montgomery	Dec. 19–Mar. 19	409	1	
Total for State		437	1	
Arkansas:				
Argenta	Jan. 22–Feb. 12	11		
Little Rock	Jan. 1–Mar. 12	92		
Lonoke	Jan. 6–20	2		
Total for State		105		
California:				
Berkeley	Dec. 26–Jan. 1	1		
Los Angeles	Jan. 12–Feb. 12	4		
Oakland	Dec. 26–Jan. 1	1		
Sacramento County	Jan. 1–31		1	
Sacramento	Dec. 12–Feb. 28	54		
San Francisco	Dec. 19–Mar. 12	19		
Total for State		79	1	
Colorado:				
Bent County	Feb. 1–28	10		
Boulder County—				
Boulder	Dec. 19–25	1		
Chaffee County	Jan. 1–31	6		
Conejos County	Jan. 1–Feb. 28	29		
Denver County	Jan. 1–Feb. 28	18		
Fremont County	Feb. 1–28	14		
Garfield County	Jan. 1–31	1		
Huerfano County	Jan. 1–Feb. 28	12		
Jefferson County	Feb. 1–28	1		
La Plata County	Feb. 1–28	4		
Larimer County	Jan. 1–31	4		
Las Animas County	Jan. 1–Feb. 28	14		
Logan County	Jan. 1–Feb. 28	17		
Mesa County	Jan. 1–31	4		
Fruita district	Dec. 26–Jan. 1	3		
Montrose County	Jan. 1–Feb. 28	19		
Morgan County	Jan. 1–Feb. 28	16		
Otero County	Jan. 1–31	1		
Ouray County	Jan. 1–Feb. 28	13		
Pitkin County	Feb. 1–28	5		
Pueblo County	Feb. 1–28	2		
Rio Grande County	Feb. 1–28	1		
San Miguel County	Jan. 1–31	1		
Summit County	Jan. 1–31	1		
Weld County	Jan. 1–Feb. 28	21		
Total for State		218		
District of Columbia	Dec. 19–Mar. 5	21		
Total for District		21		
Florida:				
Alachua County	Jan. 1–Feb. 26	3		
Columbia County	Feb. 13–19	2		
Duval County	Jan. 1–Feb. 28	2		
Jacksonville	Jan. 30–Mar. 12	4		
Escambia County	Feb. 6–Mar. 5	31		
Pensacola	Feb. 20–26	1		
Gadsden County	Jan. 1–31	2		
Hillsboro County	Jan. 1–31	1		
Leon County	Feb. 20–26	1		
Liberty County	Jan. 1–31	1		
Volusia County	Mar. 6–12	1		
Walton County	Jan. 1–31	3		
Total for State		52		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Georgia:				
Macon	Jan. 1-31	51		
Total for State		51		
Illinois:				
Alexander County	Jan. 1-31	6		
Cass County	Feb. 1-28	1		
Coles County	Jan. 1-31	4		
Cook County—				
Chicago	Dec. 19-Feb. 28	3		
Dupage County	Feb. 1-28			Present.
Edwards County	Jan. 1-Feb. 28	29		
Effingham County	Jan. 1-Feb. 28	82		
Fayette County	Jan. 1-Feb. 28	2		
Franklin County	Jan. 1-31	6		
Gallatin County	Feb. 1-28	2		
Iroquois County	Feb. 1-28	1		
Jackson County	Jan. 1-Feb. 28	3		
Jasper County	Feb. 1-28			Do.
Kane County	Jan. 1-31	1		
Livingston County	Feb. 1-28	3		
Macon County	Jan. 1-31	1		
McLean County	Jan. 1-31	1		
Madison County	Feb. 1-28	1		
Marion County	Feb. 1-28	2		
Montgomery County	Jan. 1-Feb. 28	10		
Pike County	Feb. 1-28	2		
Pulaski County	Jan. 1-31	2		
Sangamon County	Jan. 1-31	4		Do.
Shelby County	Jan. 1-Feb. 28	10		
Wabash County	Jan. 1-31			Do.
Wayne County	Jan. 1-31	5		
Williamson County	Jan. 1-Feb. 28	23		
Total for State		204		
Indiana:				
Adams County	Oct. 1-31	4		
Allen County	Oct. 1-Jan. 31	180	1	
Carroll County	Nov. 1-Jan. 21	2		
Clark County	Dec. 1-Jan. 31	20		
Clinton County	Dec. 1-Jan. 31	28		
Crawford County	Jan. 1-31	1		
Daviess County	Nov. 1-Jan. 31	28		
Decatur County	Jan. 1-31	3		
Dekalb County	Dec. 1-Jan. 31	3		
Delaware County	Oct. 1-Nov. 30	20		
Fountain County	Jan. 1-31	1		
Fulton County	Jan. 1-31	4		
Grant County	Oct. 1-Jan. 31	35		
Greene County	Oct. 1-31	6		
Hamilton County	Jan. 1-31	4		
Henry County	Jan. 1-31	2		
Huntington County	Jan. 1-31	1		
Jefferson County	Nov. 1-30	1		
Jennings County	Jan. 1-31	6		
Knox County	Oct. 1-31	7		
Laporte County	Dec. 1-31	1		
Madison County	Jan. 1-31	3		
Marion County	Dec. 1-Jan. 31	3		
Marshall County	Oct. 1-Jan. 31	80		
Martin County	Jan. 1-31	1		
Miami County	Jan. 1-31	3		
Montgomery County	Jan. 1-31	2		
Noble County	Nov. 1-Jan. 31	2		
Randolph County	Oct. 1-31	1		
St. Joseph County	Oct. 1-Jan. 31	21		
Shelby County	Dec. 1-Jan. 31	33		
Steuben County	Nov. 1-30	3		
Tippecanoe County	Dec. 1-Jan. 31	3		
Vanderburg County	Oct. 1-31	8		
Warren County	Nov. 1-30	1		
Washington County	Jan. 1-31	1		
Wayne	Nov. 1-Jan. 31	1		
Total for State		523	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general	Jan. 1-31	19		
Buchanan County	Feb. 1-28	8		
Buena Vista County	Jan. 1-31	1		
Calhoun County	Jan. 1-31	10		
Cass County	Jan. 1-31	1		
Cedar County	Jan. 1-31	3		
Cherokee County	Jan. 1-31	24		
Clayton County	Jan. 1-31	1		
Dallas County	Jan. 1-31	1		
Delaware County	Feb. 1-28	4		
Dubuque County	Jan. 1-Feb. 28	40		
Floyd County	Feb. 1-28	2		
Grundy County	Feb. 1-28	4		
Jones County	Jan. 1-Feb. 28	3		
Linn County	Jan. 1-31	7		
Cedar Rapids	Dec. 1-31	7		
Madison County	Jan. 1-31	1		
Marion County	Jan. 1-31	2		
Marshall County	Jan. 1-Feb. 28	5		
Mitchell County	Feb. 1-28	1		
Monroe County	Jan. 1-Feb. 28	3		
Polk County	Jan. 1-Feb. 28	41		
Pottawattamie County	Jan. 1-31	1		
Poweshiek County	Jan. 1-31	6		
Scott County	Feb. 1-28	2		
Sioux County	Jan. 1-Feb. 28	17		
Story County	Feb. 1-28	17		
Winnebago County	Feb. 1-28	5		
Woodbury County	Feb. 1-28	1		
Sioux City	Dec. 1-31	2		
Wright County	Feb. 1-28	1		
Total for State		240		
Kansas:				
Allen County	Jan. 1-31	1		
Barton County	Jan. 1-31	1		
Bourbon County	Jan. 1-31	3		
Cherokee County	Jan. 1-31	8		
Clay County	Nov. 1-30	1		
Cloud County	Nov. 1-30	1		
Cowley County	Nov. 1-30	3		
Crawford County	Dec. 1-Jan. 31	4		
Pittsburg	Jan. 1-31	1		
Decatur County	Nov. 1-Jan. 31	21		
Dickinson County	Jan. 1-31	4		
Douglas County	Dec. 1-31	1		
Ellsworth County	Jan. 1-31	14		
Finney County	Jan. 1-31	1		
Ford County	Jan. 1-31	6		
Gove County	Dec. 1-31	3		
Graham County	Nov. 1-Jan. 31	40		
Gray County	Jan. 1-31	18		
Hamilton County	Jan. 1-31	2		
Jackson County	Dec. 1-31	5		
Jewell County	Nov. 1-Jan. 31	44		
Kearny County	Jan. 1-31	1		
Kiowa County	Jan. 1-31	2		
Labette County	Jan. 1-31	5		
Lane County	Nov. 1-30	1		
Leavenworth County	Dec. 1-31	1		
Logan County	Jan. 1-31	2		
Lyon County	Dec. 1-31	1		
McPherson County	Dec. 1-Jan. 31	3		
Marshall County	Dec. 1-31	20		
Miami County	Jan. 1-31	3		
Montgomery County	Nov. 1-Jan. 31	109		
Coffeyville	Jan. 1-31	11		
Nemeha County	Jan. 1-31	1		
Neosho County	Jan. 1-31	1		
Ness County	Dec. 1-Jan. 31	8		
Norton County	Nov. 1-Jan. 31	38		
Osage County	Jan. 1-31	11		
Phillips County	Jan. 1-31	3		
Pottawatomie County	Nov. 1-Dec. 31	6		
Rawlins County	Jan. 1-31	5		
Reno County	Nov. 1-Jan. 31	123		
Rice County	Jan. 1-31	1		
Riley County	Jan. 1-31	17		
Rush County	Jan. 1-31	5		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Russell County	Jan. 1-31	1		
Saline County	Dec. 1-31	1		
Scott County	Nov. 1-Dec. 31	11		
Sedgwick County	Dec. 1-31	2	1	
Wichita	Jan. 1-31	1		
Shawnee County	Dec. 1-31	12		
Topeka	Nov. 1-Jan. 31	9		
Sheridan County	Nov. 1-Jan. 31	8		
Smith County	Jan. 1-31	2		
Sumner County	Nov. 1-Jan. 31	11		
Thomas County	Jan. 1-31	1		
Wabaunsee County	Nov. 1-30	3		
Wilson County	Nov. 1-Jan. 31	3		
Woodson County	Jan. 1-31	25		
Wyandotte County	Dec. 1-Jan. 31	91		
Kansas City	Jan. 1-31	39		
Total for State		780	1	
Kentucky:				
Hartford	Dec. 12-18	2		
Lexington	Dec. 12-Jan. 29	4		
Paducah	Jan. 5-11	1		
Total for State		7		
Louisiana:				
Caddo Parish—				
Shreveport	Jan. 23-Feb. 28	5	2	
Iberia Parish	Feb. 1-28	1		
Natchitoches Parish	Feb. 1-28	6		
Orleans Parish—				
New Orleans	Dec. 26-Mar. 19	86		
Morehouse Parish	Feb. 1-28	2		
St. John Parish	Feb. 1-28	6		
Tensas Parish	Feb. 1-28	13		
Total for State		119	2	
Maryland:				
Baltimore	Dec. 26-Jan. 1	1		
Dorchester County	Dec. 3-31	4		
Garrett County	Jan. 8-31	1		
Total for State		6		
Massachusetts:				
Bristol County	Feb. 1-28	6		
Essex County	Jan. 1-31	1		
Middlesex County	Jan. 1-Feb. 28	76		
Lynn County	Jan. 1-31	4		
Plymouth County	Feb. 1-28	4		
Suffolk County	Jan. 1-Feb. 28	3		
Worcester County	Jan. 1-Feb. 28	22		
Total for State		116		
Michigan:				
Alcona County	Nov. 1-Jan. 31	26		
Antrim County	Nov. 1-Feb. 28	33		
Arenac County	Nov. 1-Feb. 28	136		
Bay County	Nov. 1-Feb. 28	83		
Berrien County	Jan. 1-Feb. 28	21		
Calhoun County	Feb. 1-28	1		
Cass County	Feb. 1-28	1		
Clare County	Feb. 1-28	1		
Delta County	Dec. 1-31	1		
Eaton County	Feb. 1-28	1		
Emmet County	Nov. 1-Feb. 28	4		
Genesee County	Nov. 1-Feb. 28	264		
Gladwin County	Nov. 1-Jan. 31	8		
Gratiot County	Nov. 1-30	1		
Houghton County	Nov. 1-Feb. 28	54		
Huron County	Feb. 1-28	6		
Ingham County	Dec. 1-Feb. 28	11		
Ionia County	Nov. 1-Feb. 28	40		
Iosco County	Dec. 1-Feb. 28	3	1	
Kent County	Dec. 1-Feb. 28	5		
Keweenaw County	Jan. 1-Feb. 28	3		
Lapeer County	Nov. 1-Feb. 28	7		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Livingston County	Nov. 1-Jan. 31	18		
Manistee County	Feb. 1-28	8		
Marquette County	Nov. 1-30	1		
Mason County	Nov. 1-30	1		
Mecosta County	Jan. 1-Feb. 28	11		
Midland County	Dec. 1-Feb. 28	11		
Missaukee County	Jan. 1-Feb. 28	33		
Montcalm County	Nov. 1-Feb. 28	5		
Montmorency County	Dec. 1-Feb. 28	36		
Oakland County	Jan. 1-31	1		
Oceana County	Jan. 1-31	1		
Ogemaw County	Jan. 1-Feb. 28	6		
Ontonagon County	Nov. 1-Feb. 28	12		
Osceola County	Dec. 1-Feb. 28	14		
Oscoda County	Jan. 1-Feb. 28	7		
Otsego County	Dec. 1-31	1		
Presque Isle County	Dec. 1-Jan. 31	2		
Roscommon County	Jan. 1-31	6		
Saginaw County	Dec. 1-Feb. 28	53		
St. Clair County	Jan. 1-Feb. 28	16		
Sanilac County	Nov. 1-Feb. 28	3		
Shiawassee County	Dec. 1-Feb. 28	8		
Tuscola County	Feb. 1-28	3		
Wayne County	Dec. 1-Feb. 28	8		
Total for State		975	1	
Minnesota:				
Anoka County	Feb. 1-28	5		
Becker County	Jan. 4-10	3		
Beltrami County	Dec. 21-Feb. 14	3		
Benton County	Dec. 14-20	7		
Blue Earth County	Dec. 21-27	1		
Carver County	Dec. 7-Jan. 3	4		
Chippewa County	Jan. 11-17	1		
Chisago County	Feb. 15-21	2		
Cook County	Jan. 25-31	2		
Dakota County	Feb. 1-28	4		
Dodge County	Jan. 25-31	1		
Faribault County	Feb. 8-14	1		
Freeborn County	Jan. 18-Feb. 28	18		
Goodhue County	Dec. 28-Jan. 31	1		
Hennepin County	Dec. 28-Feb. 28	38		
Houston County	Feb. 8-14	4		
Isanti County	Feb. 21-28	1		
Itasca County	Dec. 14-Feb. 28	2		
Kandiyohi County	Dec. 7-13	1		
Koochiching County	Feb. 1-7	1		
Lake County	Jan. 18-Feb. 28	8		
Mower County	Dec. 28-Feb. 28	26		
Nicollet County	Feb. 15-21	1		
Nobles County	Jan. 18-25	1		
Norman County	Jan. 18-25	2		
Olmsted County	Feb. 8-14	1		
Ottertail County	Dec. 21-Feb. 28	24		
Pine County	Feb. 22-28	1		
Polk County	Dec. 7-13	1		
Ramsey County	Jan. 11-Feb. 28	6		
Red Lake County	Dec. 7-Feb. 14	4		
Renville County	Dec. 7-13	1		
Rice County	Jan. 11-17	1		
Rock County	Dec. 7-Feb. 21	22		
Roseau County	Dec. 7-Feb. 28	32		
St. Louis County	Dec. 7-Feb. 28	21		
Sherburne County	Jan. 11-17	1		
Sibley County	Dec. 28-Feb. 28	9		
Stearns County	Feb. 1-21	4		
Swift County	Feb. 8-21	3		
Todd County	Dec. 28-Jan. 31	1		
Wabasha County	Dec. 13-Feb. 21	29		
Wadena County	Feb. 1-21	15		
Wilkin County	Feb. 15-21	1		
Watonwan County	Dec. 28-Jan. 31	1		
Wright County	Dec. 7-Feb. 28	41		
Yellow Medicine County	Feb. 22-28	9		
Total for State		366		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Mississippi:				
Biloxi	Jan. 2–Feb. 3	5		
Gulfport	Jan. 26–Mar. 9	9		
Holly Springs	Jan. 2–29	6		
Marshall County	Jan. 30–Mar. 5	4	1	
Natchez	Dec. 26–Feb. 26	90	2	
Claiborne County—				
Port Gibson	Dec. 19–25	1		
Woodville	Feb. 27–Mar. 19	27	1	
Total for State		142	4	
Missouri:				
Andrew County	Jan. 23–Feb. 26	5		
Joplin	Jan. 16–22	1		
Kansas City	Jan. 2–Feb. 19	16	1	
St. Joseph	Jan. 2–Feb. 5	7		
St. Louis	Dec. 26–Mar. 12	23		
Springfield	Jan. 1–31	4		
Total for State		56	1	
Montana:				
Beaverhead County	Dec. 1–Feb. 28	5		
Broadwater County	Feb. 1–28	2		
Carbon County	Jan. 1–31	1		
Chouteau County	Jan. 1–31	6		
Custer County	Feb. 1–28	1		
Dawson County	Nov. 1–Jan. 31	6		
Deerlodge County	Feb. 1–28	1		
Flathead County	Oct. 1–Nov. 30	6		
Gallatin County	Dec. 1–Feb. 28	3		
Jefferson County	Nov. 1–30	1		
Lewis and Clark County	Oct. 1–Feb. 28	31		
Madison County	Jan. 1–Feb. 28	2		
Meagher County	Feb. 1–28	2		
Missoula County	Oct. 1–Feb. 28	73		
Park County	Nov. 1–Jan. 31	14		
Powell County	Nov. 1–Feb. 28	2		
Ravalli County	Nov. 1–Feb. 28	5		
Sanders County	Jan. 1–Feb. 28	4		
Silverbow County	Oct. 1–Feb. 28	190		
Butte	Dec. 19–31	14		
Yellowstone County	Jan. 1–31	2		
Total for State		371		
Nebraska:				
Lincoln	Jan. 1–Feb. 28	5		
South Omaha	Dec. 5–11	3		
Total for State		8		
New Hampshire (entire State)	Jan. 1–Feb. 28	7		
New Jersey:				
Bergen County	Feb. 1–28	1		
Passaic County	Jan. 1–31	1		
Trenton	Jan. 30–Feb. 5	1		
Total for State		3		
New York (entire State)	Sept. 1–Nov. 30	33	1	
Cattaraugus County	Dec. 1–31	1		
Cayuga County	Dec. 1–31	1		
Erie County	Dec. 1–31	17		
Jefferson County	Dec. 1–31	1		
Lewis County	Dec. 1–Jan. 31	2		
Niagara County	Dec. 1–Jan. 31	40		
Oneida County	Dec. 1–Jan. 31	2		
St. Lawrence County	Jan. 1–31	9		
Ulster County	Jan. 1–31	2		
Westchester County	Jan. 1–31	1		
Total for State		109	1	
North Carolina:				
Alamance County	Jan. 1–Feb. 28	86		
Beaufort County	Jan. 1–Feb. 28	11		
Bertie County	Jan. 1–31	6		
Bladen County	Nov. 1–Jan. 31	21		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Burke County	Jan. 1-31	20		
Cabarrus County	Jan. 1-Feb. 28	15		
Caldwell County	Jan. 1-Feb. 28	31		
Carteret County	Jan. 1-Feb. 28	3		
Catawba County	Oct. 1-Feb. 28	62		
Chatham County	Jan. 1-31	2		
Chowan County	Oct. 1-Feb. 28	17		
Cleveland County	Oct. 1-Feb. 28	4		
Craven County	Nov. 1-Feb. 28	10		
Currituck County	Oct. 1-Feb. 28	5		
Davidson County	Oct. 1-Feb. 28	50		
Davie County	Jan. 1-Feb. 28	29		
Duplin County	Nov. 1-Feb. 28	24		
Durham County	Jan. 1-31	3		
Edgecombe County	Jan. 1-Feb. 28	24		
Forsyth County	Oct. 1-Feb. 28	101		
Franklin County	Oct. 1-Feb. 28	185		
Gaston County	Nov. 1-Feb. 28	26		
Greene County	Nov. 1-Feb. 28	50		
Guilford County	Nov. 1-Feb. 28	112		
Iredell County	Jan. 1-Feb. 28	5		
Johnston County	Nov. 1-Jan. 31	23		
Jones County	Oct. 1-Nov. 30	12		
Lee County	Feb. 1-28	3		
Lenoir County	Jan. 1-Feb. 28	37		
Lincoln County	Jan. 1-Feb. 28	8		
McDowell County	Nov. 1-Feb. 28	75		
Mecklenburg County	Nov. 1-Feb. 28	102	1	
Nash County	Jan. 1-Feb. 28	125		Nov. 1-30, many cases.
New Hanover County	Feb. 1-28	1		
Onslow County	Jan. 1-Feb. 28	7		
Orange County	Feb. 1-28	2		
Pamlico County	Feb. 1-28	40		Jan. 1-31, present.
Perquimans County	Jan. 1-31	4		
Pitt County	Jan. 1-Feb. 28	70		
Randolph County	Jan. 1-31	2		
Richmond County	Feb. 1-28	1		
Robeson County	Oct. 1-Feb. 28	19		
Rockingham County	Nov. 1-Feb. 28	50		
Rowan County	Nov. 1-Feb. 28	21		
Rutherford County	Nov. 1-Feb. 28	61		
Sampson County	Jan. 1-Feb. 28	3		
Stokes County	Jan. 1-Feb. 28	160		
Surry County	Oct. 1-Feb. 28	16		
Union County	Oct. 1-Feb. 28	66		
Wake County	Nov. 1-Feb. 28	61		
Washington County	Feb. 1-28	2		
Wayne County	Nov. 1-Feb. 28	28		
Wilkes County	Jan. 1-Feb. 28	39		
Wilson County	Nov. 1-Feb. 28	224		
Yadkin County	Oct. 1-Feb. 28	11		
Yancey County	Oct. 1-Feb. 28	35		
Total for State		2,210	1	
North Dakota:				
Billings County	Jan. 1-Feb. 28	11		
Bottineau County	Oct. 1-31	1		
Cass County	Dec. 1-31	1		
Grand Forks County	Jan. 1-Feb. 28	2		
McLean County	Dec. 1-Jan. 31	4		
Nelson County	Feb. 1-28	12		
Steele County	Feb. 1-28	6		
Williams County	Feb. 1-28	6		
Walsh County	Jan. 1-31	39		
Total for State		82		
Ohio:				
Allen County	Jan. 1-Feb. 28	26		
Adams County	Jan. 1-31	1		
Auglaize County	Feb. 1-28	8		
Belmont County	Jan. 1-Feb. 28	7		
Brown County	Jan. 1-Feb. 28	19		
Clermont County	Jan. 1-31	1		
Cuyahoga County—				
Cleveland	Dec. 19-26	1		
Darke County	Jan. 1-31	3		
Franklin County	Jan. 1-Feb. 28	7		
Hamilton County	Jan. 1-Feb. 28	2		
Jackson County	Jan. 1-Feb. 28	36		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio—Continued.				
Knox County	Feb. 1-28	1		
Miami County	Jan. 1-Feb. 28	2		
Montgomery County	Jan. 1-Feb. 28	3		
Portage County	Feb. 1-28	10		
Ross County	Jan. 1-31	16		
Scioto County	Feb. 1-28	3		
Seneca County	Feb. 1-28	3		
Shelby County	Jan. 1-Feb. 28	7		
Van Wert County	Jan. 1-Feb. 28	27		
Wayne County	Jan. 1-31			
Williams County—				
Stryker	Dec. 19-25	1		
Wyandot County	Feb. 1-28	4		
Total for State		189		
Oklahoma:				
Beckham County	Nov. 1-30	1		
Blaine County	Dec. 1-31	7		
Coal County	Aug. 1-Sept. 30	10		
Comanche County	Nov. 1-30	1		
Creek County	Oct. 1-Nov. 30	3		
Garfield County	Nov. 1-30	1		
Grant County	Aug. 1-31	1		
Harmon County	Aug. 1-31	2		
Hughes County	Aug. 1-31	3		
Jackson County	Aug. 1-Nov. 30	19		
Kingfisher County	Oct. 1-31	2		
Le Flore County	Oct. 1-31	1		
Lincoln County	Aug. 1-31	3		
McIntosh County	Sept. 1-30	2		
Marshall County	Oct. 1-31	1		
Muskogee County	Oct. 1-31	1		
Okfuskee County	Oct. 1-31	1		
Oklahoma County	Aug., Sept., and Nov.	14	1	
Osage County	Sept. 1-Oct. 31	9		
Pawnee County	Aug. 1-31	1		
Pottawatomie County	Sept. 1-Nov. 30	41		
Pushmataha County	Sept. 1-30	1		
Seminole County	Oct. 1-Nov. 30	7		
Sequoyah County	Aug. 1-Sept. 30	2		
Tulsa County	Nov. 1-30	3		
Washington County	Nov. 1-30	1		
Woodward County	Nov. 1-30	1		
Total for State		139	1	
Oregon (entire State)	Sept. 1-Dec. 31	89		
Portland	Nov. 1-30	2		
Total for State		91		
Pennsylvania (entire State)	Dec. 1-Feb. 28	57		
South Carolina:				
Clover	Jan. 23-29	3		
Total for State		3		
Tennessee:				
Davidson County—				
Nashville	Feb. 20-Mar. 19	4		
Dekalb County	Dec. 12-Jan. 1	9		
Hamilton County—				
Chattanooga	Dec. 26-Mar. 19	57		
Knox County—				
Knoxville	Jan. 2-Mar. 5	44		
Shelby County	Nov. 1-Jan. 31	28		
Memphis	Nov. 1-Mar. 19	166		
Washington County	Dec. 26-Feb. 5	11		
Total for State		319		
Texas:				
Amarillo	Jan. 16-22	16		
Atascosa County	Jan. 31-Feb. 19	6		
Denton County	Dec. 26-Feb. 27	106	15	
El Paso	Nov. 1-Jan. 22	5	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Fort Worth	Nov. 1–Feb. 28	52	4	
Galveston	Feb. 6–Mar. 19	5	1	
Hale County	Jan. 9–15	7		
Normanna	Jan. 1–31	12	5	
Rockdale	Feb. 13–19	3		
San Antonio	Dec. 5–Feb. 12	16	1	
Taylor	Feb. 27–Mar. 19	2		
Waco	Jan. 1–Feb. 28	3		
Walnut Springs	Jan. 12–18	2		
Wills Point	Jan. 1–Feb. 28	5	2	
Total for State		240	29	
Utah:				
Boxelder County	Dec. 1–Jan. 31	46		
Cache County	Dec. 1–Jan. 31	21		
Carbon County	Dec. 1–Jan. 31	6		
Davis County	Dec. 1–Jan. 31	28		
Juab County	Jan. 1–31	16		
Piute County	Dec. 1–31	1		
Rich County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Jan. 31	68		
Sanpete County	Dec. 1–Jan. 31	9		
Sevier County	Dec. 1–Jan. 31	3		
Summit County	Jan. 1–31	12		
Tooele County	Dec. 1–31	1		
Uintah County	Dec. 1–Jan. 31	21		
Utah County	Dec. 1–Jan. 31	69		
Wasatch County	Dec. 1–Jan. 31	7	1	
Weber County	Dec. 1–Jan. 31	28		
Total for State		337	1	
Virginia:				
Lynchburg	Jan. 30–Mar. 19	35	1	
Petersburg	Dec. 26–Jan. 26	2		
Portsmouth	Jan. 16–29	2		
Richmond	Dec. 1–31	1		
Total for State		40	1	
Washington:				
Kitsap County	Jan. 1–31	1		
Seattle	Jan. 2–31	7		
Spokane	Dec. 19–Feb. 28	57		
Tacoma	Jan. 2–Feb. 28	4		
Wahkiakum County	Dec. 1–31	8		
Total for State		77		
West Virginia:				
Berkeley Springs	Dec. 27–Feb. 17	6		
Wheeling	Jan. 30–Feb. 5	1		
Total for State		7		
Wisconsin:				
Buffalo County	Feb. 1–28	3		
Chippewa County	Jan. 1–31	3		
Clark County	Jan. 1–Feb. 28	14		
Crawford County	Feb. 1–28	7		
Dane County	Feb. 1–28	1		
Douglas County	Jan. 1–Feb. 28	13		
Superior	Dec. 19–Jan. 1	6		
Grant County	Feb. 1–28	1		
Jefferson County	Jan. 1–Feb. 28	19		
Juneau County	Jan. 1–31	1		
La Crosse County	Jan. 1–Feb. 28	14		
La Crosse	Dec. 19–Jan. 1	2		
Langlade County	Jan. 1–Feb. 28	3		
Milwaukee County	Jan. 1–Feb. 28	19		
Milwaukee	Dec. 19–Jan. 1	2		
Price County	Feb. 1–28	1		
Walworth County	Feb. 1–28	1		
Winnebago County	Jan. 1–31	2		
Total for State		112		
Grand total for the United States		8,898	46	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Mar. 26	50,814	11					1				2			
Ann Arbor, Mich	Mar. 19	14,711	7	3				1							
Baltimore, Md	Mar. 26	576,026		148	37	6	4	30	4	13		28		28	1
Bayonne, N. J	do	49,894		2				4	1	1		1			
Beaver Falls, Pa	do	10,341										1			
Biddeford, Me	do	17,676	12	1	1										
Berkeley, Cal	Mar. 19	[a] 19,700	4		1			6				35			
Braddock, Pa	Mar. 26	21,000	16			1									
Bridgeport, Conn	do	90,913	34	5	5			14	2	6		7		4	
Brockton, Mass	do	53,978	18	4				1							
Butler, Pa	Mar. 19	12,760	5	1	1			2	1			7			
Butte, Mont	Mar. 26	49,892	6					9		3					
Cambridge, Mass	do	101,872	48	4	7	1		5		9	2	8			
Cambridge, Ohio	do	11,733	9	2	1							18			
Camden, N. J	do	89,305	33		1	3	1	3		6	4	1			
Canton, Ohio	do	40,037	15		2			2							
Carbondale, Pa	do	15,698	5			1	1	2				2			
Charlotte, N. C	do	35,101	9	3	1							8		2	
Chattanooga, Tenn	do	34,654	0												
Chelsea, Mass	do	39,862	14	4	1					1		3		3	
Chicago, Ill	do	2,224,491	770	99	112	5	7	153	9	100	8	397	5	92	11
Chicopee, Mass	do	20,010	6	2								5			
Cincinnati, Ohio	do	351,212	166	36	19	2		11		4	1	156	5	8	2
Clinton, Mass	do	12,656	5	1	1										
Columbus, Ga	do	17,893	5												
Columbus, Ohio	do	155,340	54	9	4	2		4			1	88	3	5	
Concord, N. H	do	21,997	9		2							8			
Covington, Ky	do	51,715	19	5	5							1			
Danville, Ill	Mar. 26	27,387	9	1	1					1		47	1	1	
Dayton, Ohio	Mar. 19	108,688	43		2			2		2		1			
Do	Mar. 26		52		2			4		1		5			
Detroit, Mich	do	384,855	200				1	45		10	3				
Elizabeth, N. J	do	67,470	26		2	11		3		14					
Evansville, Ind	do	66,948	21		4	2		4		3		4			
Erie, Pa	do	63,652	27	7	3	9	1	15		3		4			
Elmira, N. Y	do	35,765	14	2	1					1		2		2	
Elyria, Ohio	Mar. 19	11,653	3			2									
Everett, Mass	Mar. 26		8		1			2		1		1		2	
Fall River, Mass	do	106,481	41	7	2			1		6	1			1	
Galesburg, Ill	do	21,615	4												
Gloucester, Mass	Mar. 19	25,923	7		1										
Do	Mar. 26		6												
Grand Rapids, Mich	do	105,909	41	4	5	8		26	1	2		14		2	
Harrison, N. J	do	14,604	5	1				2	1	3					
Haverhill, Mass	do		23	1	2	1		5				14		7	
Hartford, Conn	Mar. 19	103,808	45	12	1			5		9		9			1
Do	Mar. 26		36	3	6			8		9		11			
Hyde Park, Mass	do	15,522	1	1		1		1							
Indianapolis, Ind	Mar. 19	241,826	70	6	8	3	2	6		4		350	1	14	
Jacksonville, Fla	Mar. 26	40,798	21		2	1		3		3					
Johnstown, Pa	do	46,520	23		2	1		4	1	5		56			
Kansas City, Kans	do	85,742	32	4	2	2		8		2		54			
Kearney, N. J	do	15,765	2							1		3	1		
Kingston, N. Y	do	26,110			1				1						
Knoxville, Tenn	Mar. 5	37,758	12		3					1		1			
Do	Mar. 26		15		2							1			
La Crosse, Wis	Mar. 26	29,224	7		1	1		1				1			
La Fayette, Ind	do	19,801	8		1							7			
Lancaster, Pa	do	49,962	14	3	1			8				32		1	
Lawrence, Mass	do	76,042	34		2	2	1	3		2	1	58			2
Lowell, Mass	do	95,125	44	1	5	1		5		5	1	53	2		
Lynchburg, Va	do	29,457								1		1			
Madison, Ind	Mar. 5		3	1											
Do	Mar. 26		2			1						1			
Manchester, N. H	do	10,137	22	1	1					7		1			
Manistee, Mich	do	10,788										2		1	
Manitowoc, Wis	Mar. 19	13,490	3					1		2					
Do	Mar. 26		1					5		1					
Marinette, Wis	do	14,682	4												
Massillon, Ohio	do	13,610	4			2		6				111			

[a] Estimated population 1906. No estimate for 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Medford, Mass	Mar. 26	20,839	3					2				7			
Memphis, Tenn	do	136,363	80	9	7			7		3	1				
Milwaukee, Wis	Mar. 12	332,495	105	28	8	72	3	36	1	13	1	63		26	2
Do	Mar. 26		130	22	12	23	2	32	2	13	2	83		20	1
Mobile, Ala	Mar. 19	45,122	14		2			2							
Montclair, N. J	Mar. 26	18,296	3	1		1		9		3		5		1	
Montgomery, Ala	do	43,927	12	2	1									2	
Mount Vernon, N. Y	do	27,891	10		1			6		1		3		4	1
Muskegon, Mich	do	20,995	0												
Nanticoke, Pa	Mar. 28	13,980	6					2							
Nashville, Tenn	Mar. 26	106,476	46	4	3			4							1
Nebraska City, Nebr.	do		1									8			
Newark, N. J	do	308,669		18	18			96		39	3				1
New Bedford, Mass	do	83,898	43	5	1			3		1	2	59			
New Orleans, La	do	327,662	131	32		2		41		8		108			
Newburyport, Mass	do	14,832	5									131			
Newport, Ky	do	31,345	13							1					
New York, N. Y	do	4,450,963	1,718	697	222	33	7	704	49	374	42	1,514	31	35	3
Niagara Falls, N. Y	do	32,012	12	1	2	2				1		174			
Norristown, Pa	do	24,491	9				1								
North Adams, Mass	do	20,510	9	5	1			2				1			
Northampton, Mass	do	21,008	6	1	1										
Orange, N. J	do	27,669	14	2	2			4		2		15	1		
Palmer, Mass	Mar. 18		2					5	2	2					
Do	Mar. 26		2							1					
Peekskill, N. Y	do	15,473	7					13				1			
Philadelphia, Pa	do	1,491,082		98	73	26	3	38	3	66	14	61		26	4
Pittsfield, Mass	Mar. 19	27,589	8												
Do	Mar. 26		5												
Plainfield, N. J	do	20,947	3	2				4		5	1				
Plymouth, Pa	Mar. 12	17,524		1						1		4			
Do	Mar. 26			4				1				2			
Portland, Me	Mar. 12	57,675	24		1	1	1	2		1		6	1	1	
Do	Mar. 19		15		1	3				2		9			
Portsmouth, N. H	Mar. 5	11,336			1										
Do	Mar. 26									1					
Pottstown, Pa	do	14,065	6		2	1		1		1		19			
Providence, R. I	do	217,065	105	27	7		1	6		10		18	4		
Reading, Pa	Mar. 28	97,231	37	2	3	2	1	9		3		51		7	
Rock Island, Ill	Mar. 26	24,766	3		1										
San Francisco, Cal	Mar. 19	[a] 342,782	130	49	11	8	1	11		9	2	75	1	15	2
St. Louis, Mo	Mar. 26	686,369	270	64	28	4		107	4	20	1	60	2	34	
Saratoga Springs, N. Y	Mar. 19	13,471	7	1						1	1	8			
Do	Mar. 26		4			1						18			
Seattle, Wash	Mar. 1	[a] 80,671	49	7	5	2		14	1	5		48			
Somerville, Mass	Mar. 26	75,375	15	3	1			1		3		1			
South Bend, Ind	do	49,321	15		1			10	1	1					
South Bethlehem, Pa	do	15,886	11				1			3	1	8		1	
Spokane, Wash	Mar. 19	[a] 47,006	17		1			5	1	1		18			
Springfield, Mass	Mar. 26	82,724	36	3	4	1		7		6	1	22	1		
Do	do		7	1	1							6			
Steelton, Pa	do	14,769	6					1	1	1		2			
Taunton, Mass	do	30,926	16	1		1		1				3			
Terre Haute, Ind	do	55,509	22	1	2			4		5	1	96			
Titusville, Pa	do	8,397	3			1						1			
Topeka, Kans	do	44,757	1							1		1			
Trenton, N. J	do	92,878	6	13	6	9		9		2					
Utica, N. Y	do	69,458	29	2	1			3		1	1	31			
Waltham, Mass	do	28,522	12	2	2			2		7	1	1			
Washington, D. C	do	322,212	152	31	16	4	2	34	1	7	1	6		27	4
West Newton, Mass	do	39,419	8					2		1		1			
Wichita, Kans	do	39,612	8	2	7			3		1		53			
Wheeling, W. Va	Mar. 19	42,799	20	3	2	1				3		2			
Do	Mar. 26		21	2	2	1		1		4	1	1			
Wilkes-Barre, Pa	do	64,323	27	3	2	1		8		2		2		4	
Wilkinsburg, Pa	do	19,999	3	5				1		1				5	
Williamsport, Pa	do	30,220	5	1	1	2		2		1		11			
Wilmington, Del	do	88,980	37		4										1
Woburn, Mass	do	14,520	6												
Worcester, Mass	Mar. 19	135,906	54	3	2			3		4	1	18		3	2
Zanesville, Ohio	Mar. 26	25,614	11	1	2	4	1	1							

[a] Estimated population, 1906. No estimate, 1909.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

CONNECTICUT.—Month of February, 1910. Population of 164 towns reporting, 1,049,869. Total number of deaths from all causes, 1,407; including typhoid fever 7, measles 9, scarlet fever 17, diphtheria 24, tuberculosis (pulmonary) 126. Cases reported: Typhoid fever 24 cases in 16 towns, measles 692 cases in 58 towns, scarlet fever 449 cases in 60 towns, diphtheria 201 cases in 46 towns, tuberculosis 108 cases in 36 towns.

FLORIDA.—Week ended March 26, 1910. Reports from the state board of health show typhoid fever present in 4 places with 5 cases, smallpox in 6 counties with 70 cases, diphtheria in 1 place (Jacksonville) with 1 case, tuberculosis in 3 places with 3 cases.

MAINE—*Portland.*—Four weeks ended March 5, 1910. Population, 62,000. Total number of deaths from all causes 78, including tuberculosis 5. Cases reported: Typhoid fever 4, scarlet fever 11, diphtheria 11.

MINNESOTA.—Month of December, 1909. Population, 1,979,658. Total number of deaths from all causes 1,604, including typhoid fever 49, measles 3, scarlet fever 18, diphtheria 63, tuberculosis 153.

NORTH CAROLINA.—Month of January, 1910. Reports to the state board of health show typhoid fever present in 28 counties, smallpox in 43 counties, measles in 31 counties, scarlet fever in 28 counties, diphtheria in 32 counties.

NORTH DAKOTA.—Month of February, 1910. Population, 536,103. Total number of deaths from all causes 208, including typhoid fever 4, diphtheria 1, tuberculosis 2. Cases reported: Typhoid fever 23, smallpox 32, measles 77, scarlet fever 39, diphtheria 47, tuberculosis 13.

TEXAS—*San Antonio.*—Month of February, 1910. Population, 125,000. Total number of deaths from all causes 204, including typhoid fever 4, tuberculosis 43. Cases reported: Typhoid fever 12, smallpox 4, measles 1, scarlet fever 2, diphtheria 2.

FOREIGN AND INSULAR.

CHINA.

CANTON—Smallpox.

The following information was received from the Department of State, April 2:

American vice-consul at Canton reports epidemic of smallpox.

SHANGHAI—Inspection of Vessels—Smallpox.

Acting Assistant Surgeon Ransom reports, February 15:

Week ended February 12. Bill of health granted to 1 vessel. One vessel with a crew of 44 was inspected. The vessel was fumigated to destroy rats.

The weekly reports of the municipal health officer show 1 new case of smallpox among foreigners and among natives 2 deaths from smallpox.

Reports from Hankow for the week ended January 29 show smallpox present in the native city, but not in severe form.

CUBA.

CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, March 22:

Week ended March 19. Vessels inspected, 2; bills of health issued, 2.

No quarantinable disease was reported.

HABANA—Inspection of Vessels.

Acting Assistant Surgeon Villoldo reports, March 29:

Week ended March 26. Bills of health issued, 34. Vessels inspected, 31. Members of crews of outgoing vessels inspected, 1,313. Passengers of outgoing vessels inspected, 901. Vessels fumigated, 1. One vessel was fumigated to destroy vermin.

The department of sanitation reports 16,931 water receptacles petrolized or suppressed during the 10 days ended March 20.

No quarantinable disease was reported.

MATANZAS—Inspection of Vessels.

Acting Assistant Surgeon Nuñez reports, March 28:

Week ended March 26. Bills of health granted to 3 vessels leaving for United States ports. No quarantinable disease reported.

The department of sanitation reports the inspection of 3,413 houses during the 10 days ended March 20.

SANTIAGO—Inspection of Vessels.

Acting Assistant Surgeon Wilson reports, March 22:

Week ended March 19. Bills of health issued to 6 vessels bound for the United States and its dependencies. No quarantinable disease was reported.

The department of sanitation reports 2,941 houses inspected.

ECUADOR.

GUAYAQUIL—Fumigation of Vessels.

Passed Assistant Surgeon Parker reports, February 28 and March 6:

Week ended February 26. Bills of health issued, 3; vessels fumigated, 3; members of crews inspected, 229; cabin passengers inspected, 15; steerage passengers inspected, 12; pieces of baggage fumigated, 75, inspected, 19; certificates for hides issued, 1.

Week ended March 5. Bills of health isued, 1; vessels fumigated, 1; members of crews inspected, 53; cabin passengers inspected, 20; steerage passengers inspected, 28; pieces of baggage fumigated, 49; pieces of baggage inspected, 53; certificates for hides issued, 1.

HAWAII.

HONOLULU—Plague-prevention Work.

Passed Assistant Surgeon Ramus reports, March 7 and 14:

The last case of human plague occurred at Honolulu July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, August 22, 1907.

Week ended March 5, 1910.

Total rats taken	471
Trapped	471
Found dead	0
Examined bacteriologically	328
Plague rats	0
Classification of rats trapped:	
Mus alexandrinus	40
Mus musculus	206
Mus norvegicus	38
Mus rattus	187
Average number of traps set daily	1,338

Week ended March 12, 1910.

Total rats taken	460
Trapped	453
Found dead	0
Killed by sulphur dioxide	7
Examined bacteriologically	355
Plague rats	0
Classification of rats trapped:	
Mus alexandrinus	61
Mus musculus	167
Mus norvegicus	37
Mus rattus	188
Classification of rats killed by sulphur dioxide:	
Mus rattus	7
Average number of traps set daily	1,338

INDIA.

BOMBAY—Improved Health Conditions.

Consul Dennison reports, March 1:

Plague, which a few weeks ago seemed to be rapidly increasing, is now at a satisfactorily low figure. During the week ended March 1 the number of plague deaths was 91, or practically the same as for the preceding week, while for the corresponding period of last year the deaths numbered 153. The 5 years' average is 314.

Smallpox also remains at a much lower figure than seemed probable a short time ago. The health authorities have followed each case reported to them and vaccination has been more generally practiced. Practically all the smallpox in the city is due to continually imported infection.

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Surgeon Geddings reports, March 14:

Vessels inspected at Naples and Palermo, week ended March 12.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 6	Luisiana	New York	703	30	720
7	Taormina	Philadelphia	1,545	120	1,980
7	Regina d'Italia	New York	829	38	960
9	Venezia	do	932	90	1,280
10	Cedric	do	1,855	130	2,750
10	Lombardia	do	418	25	720
10	Margaretha	do			
11	Oceania	do	2,019	150	2,700
12	Carpathia	do			
	Total		8,301	583	11,110

PALERMO.

Mar. 8	Taormina	Philadelphia	265	400	200
8	Regina d'Italia	New York	308	500	100
10	Venezia	do	536	900	250
11	Lombardia	do	349	400	200
	Total		1,458	2,200	750

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Other causes.	Total.
Mar. 6	Luisiana	13	1	10	2	26
7	Taormina	26	1	18	8	53
7	Regina d'Italia	18	3	9	4	34
9	Venezia	8	2	4	3	17
10	Cedric	24	4	11	10	49
10	Lombardia	8	1	6	1	16
10	Margaretha					
11	Oceania	29	7	13	6	55
12	Carpathia					
	Total	126	19	71	34	250

PALERMO.

Mar. 8	Taormina	14		20	2	36
8	Regina d'Italia	22		14		36
10	Venezia	24		14	2	40
11	Lombardia	20		18		38
	Total	80		66	4	150

Smallpox in Naples.—During the week ended March 13, 8 cases of smallpox, with 3 deaths, were reported at the health office of the city of Naples.

MEXICO.

Report from the Superior Board of Health of Mexico.

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington, October 9–14, 1905, the president of the Superior Board of Health of Mexico reports, March 28, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended March 26, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

COATZACOALCOS—Inspection of Vessels.

Acting Assistant Surgeon Thompson reports, March 24:

Week ended March 23. Vessels inspected: March 22, steamships *Hawaiian* for Delaware Breakwater and *Sardinia* for Norfolk.

No quarantinable disease reported.

SIAM.

Epidemic Plague in Vicinity of Bangkok.

The following information, dated February 15, was received from Chargé d'Affaires Tarler, through the Department of State under date of March 30:

Bubonic plague has become epidemic in Phrapatom, a town of 5,000 inhabitants distant about 30 miles from Bangkok. No precautions are taken against the spread of the disease.

ZANZIBAR.

ZANZIBAR—Examination of Rats for Plague Infection.

Consul Garrels reports:

Month of December, 1909. Rats received, 3,992; necropsied, 3 710.

Month of January, 1910. Rats received, 6,181; necropsied, 5,490.

No plague infection found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended April 8, 1910.

[These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls through the Department of State and from other sources.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta	Feb. 6–12		51	
Moulmine	Jan. 22–Feb. 4		13	
Negapatam	Jan. 30–Feb. 4		3	
Rangoon	Feb. 13–19		4	

YELLOW FEVER.

Brazil:				
Manaos	Jan. 31–Mar. 12		10	
Para	Jan. 31–Mar. 6	18	13	
Ecuador:				
Guayaquil	Feb. 16–28	28	10	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended April 8, 1910.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil	Feb. 16-28	15	1	
Milagro	Feb. 16-28	6	2	
India:				
Bombay	Jan. 27-Mar. 1		91	
Calcutta	Feb. 6-12		13	
Kurrachee	Feb. 20-26	45	44	
Rangoon	Feb. 13-19		10	
Siam:				
Phrapatom	Feb. 15			Epidemic.
Turkey in Asia:				
Jiddah	Mar. 10-13	6	6	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Argentina:				
Rosario	Dec. 1-31		1	
Austria:				
Galicia	Feb. 27-Mar. 5	1		
Brazil:				
Para	Jan. 31-Mar. 5	1		
Canada:				
Halifax	Mar. 20-26	1		
France:				
Paris	Mar. 6-12	16	3	
Great Britain:				
Bristol	Mar. 13-19	2		One case on steamship from Bombay.
India:				
Bombay	Jan. 27-Mar. 1		42	
Kurrachee	Feb. 20-26	5	2	
Rangoon	Feb. 13-19		22	
Italy, general	Mar. 6-13	21		
Genoa	Mar. 1-15	1		
Naples	Mar. 7-13	8	3	
Mexico:				
Chihuahua	Mar. 14-27	2	1	
Manzanillo	Mar. 1-6	5		
Portugal:				
Lisbon	Mar. 6-12	13		
Russia:				
Libau	Mar. 7-13	7		
Riga	Feb. 28-Mar. 5	1		
Warsaw	Jan. 23-29		21	
Spain:				
Almeria	Jan. 1-31		3	
Huelva	Feb. 1-28		2	
Seville	Feb. 1-28		2	
Valencia	Mar. 6-12	1		
Vigo	Mar. 6-12			Present, vicinity.
Straits Settlements:				
Singapore	Feb. 9-13		2	

Reports Received from January 1 to April 1, 1910.

For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon, Colombo	Feb. 13-19	5		
Germany:				
Heydekrug	Nov. 19-Dec. 4	2		
Niedrung	Nov. 16-22	1		
India:				
Bombay	Nov. 24-Feb. 22		21	
Calcutta	Nov. 14-Feb. 5		410	
Madras	Jan. 1-Feb. 4		2	
Rangoon	Nov. 14-Jan. 22		41	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 1, 1910.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
Batavia	Nov. 14-Mar. 5	388	111	
Norway:				
Friedershald	Dec. 31-Jan. 3	1	1	From a vessel from Riga.
Persia:				
Astara	Dec. 1-15	36	22	
Philippine Islands:				
Manila	Nov. 7-Feb. 12	109	95	Third quarter, 1909. Cases 82, deaths 61.
Provinces				Third quarter, 1909. Cases 3,946, deaths 2,609.
Albay	Nov. 7-20	6	6	
Bataan	Nov. 7-Feb. 12	215	152	
Bohol	Nov. 7-Feb. 12	47	28	
Bulacan	Nov. 7-Jan. 1	32	27	
Camarines	Nov. 7-20	5	5	
Capiz	Nov. 21-Dec. 18	3	2	
Cavite	Nov. 7-Jan. 22	105	76	Jan. 1-Feb. 12, 50 cases from a coasting vessel.
Cebu	Nov. 7-Feb. 12	333	251	Nov. 20, 1 case on s. s. Yaptico.
Laguna	Dec. 19-25	4	4	
Leyte	Nov. 21-Jan. 15	36	32	
Misamis	Jan. 16-Feb. 12	40	33	
Oriental Negros	Nov. 7-20	10	5	
Pampanga	Nov. 7-Feb. 12	182	43	
Rizal	Nov. 7-Jan. 22	11	7	
Tarlac	Nov. 7-13	9	5	
Russia, general	Nov. 21-Jan. 29	440	203	
Baku, government	Nov. 21-Dec. 25	22	22	
Baku	Nov. 21-Jan. 15	27	17	
Don, territory	Nov. 28-Jan. 29	19	12	
Ekaterinslav, government	Nov. 21-Jan. 1	23	7	
Jaroslav, government	Nov. 21-27		1	
Kaluga	Dec. 26-Jan. 1	1		
Kostroma, government	Nov. 21-27	3	4	
Kovna, government	Nov. 21-27	8	3	
Kursk, government	Nov. 21-Dec. 11	6		
Moscow, government—				
Moscow	Nov. 29-Jan. 22	256	115	
Pskov, government	Nov. 21-27	10		
St. Petersburg, government	Nov. 21-Dec. 18	14	12	
St. Petersburg	Nov. 21-Jan. 1	53	12	
Taurida, government	Nov. 21-Dec. 25	66	28	
Vitebsk, government	Nov. 21-27	2		
Siam:				
Bangkok	Oct. 28-Jan. 22	12	12	
Siberia:				
Vladivostok	Nov. 16-21	1		
Straits Settlements:				
Singapore	Dec. 19-Jan. 15		4	
Sumatra:				
Palembang	Sept. 20-Oct. 20	936	675	
Turkey in Asia:				
Trebizond	Nov. 28	1		On a vessel from Batum.

YELLOW FEVER.

Brazil:				
Manaos	Nov. 21-Feb. 26		48	
Para	Nov. 28-Feb. 26	66	52	
Ecuador:				
Babahoyo	Jan. 1-Feb. 15	4		
Guayaquil	Dec. 1-Feb. 15	107	31	
Peru:				
Callao	Nov. 2-Dec. 2	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida	Dec. 20-21	1	1	
Santa Cruz de Bravo	Dec. 20	1	1	
Panama:				
Canal Zone—				
Ancon	Jan. 24		1	At Ancon hospital, from s. s. Barbadian.
Culebra Island	Mar. 1-8	1	1	At Culebra quarantine station, from s. s. Huallago.
Trinidad:				
Port of Spain	Nov. 28-Dec. 4	1	1	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 1, 1910.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Aden	Jan. 21-23	1	1	From an Austrian mail steamer from Bombay.
Brazil:				
Bahia	Nov. 20-Feb. 11	54	28	
Para	Nov. 28-Feb. 19	12	9	
Pernambuco	Oct. 15-Dec. 31		21	
Rio de Janeiro	Nov. 2-Jan. 23	16	2	
Santos	Nov. 1-Dec. 29	5	3	One case from bark Amazone Dec. 1. Feb. 2 present.
Chile:				
Iquique	Feb. 12-24			Present in endemic form.
Taltal	Jan. 15	2	1	
China:				
Hankow	Nov. 27-Dec. 7	20	20	Feb. 1 again present.
Hongkong	Nov. 21-27	1	1	
Ecuador:				
Babahoyo	Dec. 16-Feb. 15	18	6	
Guayaquil	Dec. 1-Feb. 15	210	87	
Milagro	Jan. 1-Feb. 15	15	3	
Egypt:				
Alexandria	Nov. 19-Mar. 10	5	4	
Port Said	Nov. 30-Dec. 22	2	1	
Provinces—				
Assiout	Sept. 29-Mar. 10	57	16	
Beherach	Dec. 8-14	1		
Beni Souef	Dec. 16-Mar. 5	31	10	
Fayoum	Jan. 20-Mar. 10	6	4	
Galioobeh	Jan. 11-Feb. 24	10	4	
Garbieh	Feb. 2-9	9	8	
Girgeh	Dec. 19-26	2	1	
Ghizeh	Dec. 19-Jan. 2	2	2	
Kena	Feb. 3-20	1	1	
Menouf	Nov. 28-Dec. 15	17	6	
Minieh	Dec. 21-Feb. 28	14	7	
German East Africa:				
Mpwapwa	Sept. 19-Oct. 5	7		
Hawaii:				
Hilo	Mar. 12-22	4	4	
Honokaa	Mar. 14-15	2	2	
India:				
Bombay	Dec. 27-Feb. 22		306	
Calcutta	Nov. 20-Feb. 5		78	
Kurrachee	Dec. 19-Feb. 19	415	407	
Rangoon	Nov. 13-Feb. 4		24	
Bombay Presidency and Sind.	Nov. 7-Jan. 22	11,137	7,821	
Madras Presidency	Nov. 7-Jan. 22	1,011	705	
Bengal	Nov. 7-Jan. 22	8,109	6,509	
United provinces	Nov. 7-Jan. 22	36,037	33,019	
Punjab	Nov. 7-Jan. 22	14,277	11,704	
Burma	Nov. 7-Jan. 22	898	766	
Central provinces, including Berar.	Nov. 7-Jan. 22	10,322	8,355	
Coorg	Nov. 14-27	5	1	
Mysore State	Nov. 7-Jan. 22	1,388	1,020	
Hyderabad State	Nov. 7-Jan. 22	155	126	
Central India	Nov. 7-Jan. 22	850	638	
Rajputana and Ajmer-Merwara.	Nov. 7-Jan. 22	4,157	3,674	
Kashmir	Nov. 7-Jan. 22	165	110	
Grand total		88,511	74,448	
Indo-China:				
Saigon	Nov. 7-Dec. 25	5	4	
Japan:				
Kobe	Nov. 28-Feb. 26	25	20	
Shikoku Island	Jan. 30-Feb. 5	1		
Paraguay	Dec. 10		30	In the northern part.
Peru:				
Arequipa, department	Dec. 10-16	1		
Mollendo	Dec. 20-Feb. 25	6	2	
Callao, department—				
Callao	Jan. 17-Feb. 7	5		
Lambayeque, department	Oct. 1-Dec. 16	39	13	
Libertad, department	Nov. 19-Dec. 16	32	3	
Lima, department	Oct. 22-Dec. 16	10	6	
Lima	Feb. 11-25	1		In lazaretto from s. s. Ammon.
Pisco	Feb. 19	1		From s. s. Ammon.
Mauritus	Dec. 18-Jan. 27	120	70	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 1, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Astrakan, government	Dec. 5–Feb. 27	134	120	
Naourzali-Tchagil	Jan. 17–Feb. 2	26	26	
Beiskulak	Dec. 10–16	18	16	
Bodai	Mar. 1	9		
Dschedda	Jan. 7			Present.
Libau	Dec. 3–9	1	1	
Uralsk, district	Nov. 25–Jan. 12	208	202	
Siam:				
Bangkok	Oct. 28–Jan. 22	11	10	
Straits Settlements:				
Singapore	Dec. 25–Jan. 1	2	2	
Turkey in Asia:				
Beirut	Nov. 29–Dec. 14	3		
Jiddah	Jan. 5–Mar. 6	20	19	
Venezuela:				
Puerto Cabello	Feb. 24	2		
Zanzibar	Nov. 9–17	[a] 2	2	

SMALLPOX.

Abyssinia:				
Adis Aababa	Feb. 19			Epidemic.
Algeria, general	Dec. 1–15	22		
Algiers	Nov. 1–Jan. 31		3	
Bona	Dec. 1–Jan. 31	11	9	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		85	
Austria:				
Bohemia	Feb. 20–26	1		
Galicia	Jan. 1–Feb. 26	11		
Vienna	Jan. 9–29	2		
Brazil:				
Bahia	Nov. 20–Feb. 11	250	164	
Pernambuco	Oct. 16–Jan. 15		205	
Rio de Janeiro	Nov. 2–Feb. 27	25	1	
Sao Paulo	Nov. 1–21		2	
Canada:				
British Columbia—				
Vancouver	Jan. 1–31	3		
Nova Scotia—				
Halifax	Dec. 19–Mar. 5	3		
Windsor	Dec. 1–Jan. 31	40		
Ontario—				
Port Arthur	Mar. 11–19	5		
Ceylon:				
Colombo	Feb. 6–12	5		
Chile:				
Antofagasta	Jan. 1			Present. Feb. 12, 8 cases in lazaretto.
Quillota	Nov. 28–Dec. 4			Present.
Valparaiso	Nov. 20–Jan. 1			Do.
China:				
Amoy	Nov. 28–Feb. 12		8	
Canton	Dec. 12–Feb. 23	105	9	
Chang Cheun	Dec. 11			Do.
Chio Be	Dec. 11			Do.
Hankow	Jan. 2–15	1	1	Dec. 19–Feb. 12, present among natives.
Hongkong	Feb. 5–19	8	2	
Shanghai	Nov. 1–Feb. 27	3	18	Deaths among natives.
Cuba:				
Habana	Dec. 3–9	1		From s. s. La Navarre.
Ecuador:				
Guayaquil	Jan. 1–31	3		
Egypt, general	Nov. 5–Jan. 21	562	150	
Alexandria	Nov. 5–Jan. 21	20	19	
Cairo	Nov. 26–Mar. 4	13	4	
France:				
Nantes	Jan. 1–31	1		
Paris	Dec. 5–Mar. 5	98	12	
Germany, general	Dec. 5–Mar. 12	85		
Bremen	Feb. 27–Mar. 5	1		
Konigsberg	Dec. 12–Jan. 15	2	2	In vicinity.

[a] Bulletin Quarantenaire, March 10, 1910.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 1, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain:				
Bristol	Feb. 6-12	1		
Greenock	Feb. 6-12	1		
Hull	Jan. 16-22	2		
Liverpool	Dec. 19-Feb. 5	9		
London	Nov. 28-Mar. 5	21		
Newcastle-on-Tyne	Feb. 13-Mar. 5	3	1	
Nottingham	Jan. 16-26	4	1	
Plymouth	Nov. 12-18		1	
Southampton	Nov. 12-18	1		
South Shields	Feb. 13-19	1		
Greece:				
Athens	Nov. 22-Feb. 26		17	
Hawaii:				
Honolulu	Jan. 31-Feb. 4	3	1	2 cases Jan. 31 from U. S. S Washington from Yokohama. 1 case Feb. 2 on s. s. Makura.
India:				
Bombay	Nov. 24-Feb. 22		207	
Calcutta	Nov. 14-Feb. 12		10	
Kurrachee	Jan. 2-Feb. 19	8		
Madras	Dec. 18-Feb. 18		4	
Rangoon	Nov. 20-Feb. 5		55	
Indo-China:				
Saigon	Dec. 7-13	1		
Italy, general	Nov. 29-Mar. 6	233		
Genoa	Dec. 1-Feb. 28	19	1	
Milan	Jan. 1-16	1		
Naples	Dec. 6-Mar. 6	227	41	
Japan:				
Formosa	Feb. 6-19	10	4	
Kobe	Dec. 12-25	1	1	
Java:				
Batavia	Dec. 12-Feb. 12	9	1	
Korea:				
Fusan	Feb. 1-12	6	1	
Ilmyokyo	Feb. 26			Present.
Liberia:				
Monrovia	Nov. 28-Dec. 4	6		
Malta:				
Valetta	Dec. 12-Jan. 15	3	1	
Manchuria:				
Tie-ling	Feb. 19			Do.
Mexico:				
Aguascalientes	Dec. 12-Mar. 12		33	
Chihuahua	Dec. 13-Mar. 14	14	8	
Guadalajara	Jan. 29-Mar. 11		6	
Mexico	Nov. 14-Feb. 19		16	
Monterey	Nov. 13-Feb. 20		2	
Veracruz	Feb. 13-19	1		
Netherlands:				
Rotterdam	Dec. 5-11	7		
Persia:				
Arabistan	Dec. 6-31			Do.
Hamadan	Nov. 15-Dec. 31			Do.
Kurdistan	Dec. 6-31			Do.
Sultanabad	Nov. 15			Do.
Teheran	Nov. 1-Dec. 2			Do.
Peru:				
Callao	Dec. 6-12			Do.
Philippine Islands:				
Manila	Nov. 14-Feb. 12	23		Third quarter, 1909—Cases, 5; deaths, 0.
Portugal:				
Lisbon	Dec. 5-Mar. 5	209		
Porto Rico, general	July 1-Dec. 31	72	12	
Russia:				
Batoum	Dec. 1-31	5		
Libau	Dec. 6-Mar. 6	34		
Moscow	Nov. 21-Feb. 19	160	53	
Odessa	Nov. 21-Mar. 5	296	74	
Riga	Dec. 5-Mar. 5	44		Oct. 1-Dec. 31, 26 deaths.
St. Petersburg	Nov. 28-Feb. 26	603	182	
Warsaw	Oct. 24-Jan. 22		192	
Siam:				
Bangkok	Nov. 28-Jan. 22	5	4	
Siberia:				
Vladivostok	Jan. 15-Feb. 5	5	2	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from January 1 to April 1, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Spain:				
Almeria	Nov. 1–Dec. 31		10	
Barcelona	Dec. 14–Mar. 7		33	
Cadiz	Jan. 1–31		1	
Huelva	Nov. 1–Dec. 31		17	
Madrid	Dec. 1–Jan. 31		59	
Seville	Dec. 1–Jan. 31		10	
Tarragona	Feb. 20–26		1	
Valencia	Jan. 9–Feb. 19	4		
Vigo	Jan. 23–29		1	Mar. 5, present in vicinity.
Straits Settlements:				
Singapore	Jan. 22–Feb. 12		5	
Tripoli:				
Tripoli	Nov. 14–Dec. 25	242	24	
Turkey:				
Constantinople	Jan. 2–Feb. 6		2	
Turkey in Asia:				
Bagdad	Nov. 21–Jan. 31			Present.
Salonica	Jan. 1–31		3	
Smyrna	Nov. 5–Dec. 31		42	
Trebizond	Mar. 5			Do.
Uruguay:				
Montevideo	Oct. 1–Dec. 31		36	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 12	185,703	52									2		
Aix-la-Chapelle	Mar. 5	161,745	44	2							2	2		
Antwerp	Mar. 12	326,351	94	10									4	
Barcelona	do	591,272	310	40				7		1		3	4	1
Barmen	Feb. 19	163,700	33	5									1	2
Do	Feb. 26		36	5									1	1
Do	Mar. 5		31	7										
Barranquilla	Mar. 12	40,000	18	1						1				
Bergen	do	87,749	27	8						1				1
Berlin	Feb. 26	2,122,718	541	105						1	10	12	2	10
Do	Mar. 5		564	84						2	6	16	4	6
Birmingham	Mar. 19	558,336	157								4	2		7
Bombay	Mar. 1	977,822	753	47	91			42					3	
Bremen	Mar. 12	235,648	72	12					1		1		1	2
Bristol	Mar. 19	382,550	104	10									3	3
Brussels	Mar. 12	720,030	172	19						1		1	1	1
Budapest	do	804,200									3	2	4	2
Calcutta	Feb. 12	847,796	575	29	13	51							5	
Chemnitz	Mar. 5	279,847	81	11						1	2	2		
Do	Mar. 12	280,230	79	8							1	2		
Chihuahua	Mar. 20	37,000	33	2									1	
Do	Mar. 27		29	2				1		2		1		2
Cologne	Mar. 12	476,205	139	23							2	3	4	2
Constantinople	Mar. 13	1,000,000	264	32						4		1	4	
Copenhagen	Mar. 5	455,000	112	3							2	1	1	3
Dresden	do	552,500	151	22								7		
Do	Mar. 12		157	21						1		4		2
Dundee	Mar. 19	170,206	68	3							1		6	
Erfurt	Mar. 12	109,106	36	2								3		
Geneva	Mar. 5	121,500	40									1		
Ghent	Mar. 12	165,475	57	3								1	2	

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Florence	Feb. 28	238,170	57	10						7	9	12	13	
Do	Mar. 5		49	12						2	7	9	18	
Frankfort on the Main	do	372,000	85									1	1	
Do	Mar. 12		97									2	2	4
Halifax	Mar. 26	40,787	19	1										
Hamburg	Mar. 12	895,804	258	32							3	10	4	
Havre	do	132,430	66	23								2		
Hilo	do	3,500			1					1				
Holyhead	do	11,179	7									1		
Karachi	Feb. 26	130,000	88		44			2						
Kingston	Mar. 26	19,193	8							1				
Kobe	Feb. 26	380,717	146									1		
Konigsberg	Mar. 5	243,200	89	11							1	1	1	
Do	Mar. 12		86	16						1			2	2
Leeds	Mar. 19	496,985	128							1	1		1	4
Leipzig	Mar. 12	590,329	164	23							1	2	1	2
Libau	Mar. 13	90,000									2	2		
Liverpool	Mar. 19	767,106	244	16							4	1	7	11
Lubeck	Mar. 12	91,541	32	4						1			1	
Lyons	Mar. 5	500,000	176	39							1	4	4	1
Madras	Feb. 25	550,000						2					1	
Magdeburg	Mar. 5	253,710	72	7								3	1	
Manaos	do	52,000	48				4							
Do	Mar. 12		57	6			6							
Mannheim	Feb. 26	186,307	30	5						1				
Do	Mar. 5		41	10						1				
Monterey	Mar. 20	100,000	53	8									1	1
Montreal	Mar. 26	389,837	170	29						1	5	2		3
Naples	Mar. 12	593,729	287					3				2		
Nuevo Laredo	Mar. 26	8,000	7							1				
Nuremberg	Feb. 26	323,500	117	12								1	11	3
Do	Mar. 5		110	17								1	8	1
Para	do	185,000	81	4			6							
Do	Mar. 12		109	10			7							
Paris	do	2,776,394	982	253				3		4	1	2	13	4
Port of Spain	do	60,000	39	4										2
Prague	do	233,649	171	26						1	1	3	1	2
Rangoon	Feb. 19	252,155	179	6	10	4		22						
Rotterdam	Mar. 19	419,180	124							1				
Santa Cruz de Tenerife	Mar. 12	46,000	31	4						1	5	5		
Santiago de Cuba	Mar. 19	45,497	16	2						1				
Sheffield	Mar. 12	472,000	109	9						1		1		6
Do	Mar. 19		117	7									1	1
Singapore	Feb. 19	271,060	208	30				2						
Southampton	Mar. 19	127,157	34	4									1	
Stettin	Mar. 12	239,000	74	7								2		
Stockholm	Mar. 5	399,582	97	10							2	2	4	1
Talcahuano	do	2,800	6	3									1	
Turin	Mar. 10	391,968	136	17						3			1	
Valencia	Mar. 12	240,000	122	6						1		2		
Valletta	Mar. 5	212,888	82	9						3				
Victoria	Mar. 19	30,000	10	1								1		
Vienna	Mar. 5	2,085,888	641	109							3	4	14	5
Vigo	Mar. 12	40,000	6	2										
Warsaw	Jan. 29	764,054	281	54				21	2	1	6	1	1	4

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

BRAZIL—*Rio de Janeiro.*—Two weeks ended February 27, 1910. Population 850,000. Total number of deaths from all causes 696, including typhoid fever 3, measles 4, tuberculosis 176.

CUBA—*Matanzas.*—February 1 to 10, 1910. Population 36,009. Total number of deaths from all causes 23, including tuberculosis 3.

FORMOSA.—Three weeks ended February 19, 1910. Population 3,108,723. Total number of deaths from all causes not reported. Two deaths from typhoid fever, 2 from smallpox, and 2 from diphtheria reported.

FRANCE—*Cherbourg.*—Month of February, 1910. Population 43,837. Total number of deaths from all causes 100, including typhoid fever 1, measles 2, scarlet fever 1, tuberculosis 17.

GREAT BRITAIN.—Week ended March 5, 1910.

England and Wales.—The deaths registered in 76 great towns, having an aggregate estimated population of 16,713,617, correspond to an annual rate of 14.5 per 1,000 of the population.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 22.4 per 1,000 of the population which is estimated at 1,151,790. The lowest rate was recorded at Sligo, viz, 4.8, and the highest at Galway, viz, 38.8 per 1,000 of the population.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.3. The lowest rate was recorded at Paisley, viz, 10.6, and the highest at Greenock, viz, 27.6 per 1,000 of the population, which is estimated at 1,864,194. The total number of deaths from all causes was 590, including typhoid fever 6, measles 40, scarlet fever 5, diphtheria 12.

ITALY—*Genoa.*—Two weeks ended March 15, 1910. Population 279,163. Total number of deaths from all causes 240, including typhoid fever 1, tuberculosis 19.

Rome.—Three weeks ended October 16, 1909. Population 559,715. Total number of deaths from all causes 475, including typhoid fever 12, measles 2, scarlet fever 1, diphtheria 1, tuberculosis 50.

SOUTH AFRICA—*Johannesburg.*—February 5 to 19, 1910. Population 180,687. Total number of deaths from all causes 125, including typhoid fever 19, diphtheria 1, tuberculosis 8.

SPAIN—*Almeria.*—Month of January, 1910. Population 50,910. Total number of deaths from all causes 135, including typhoid fever 5, smallpox 3, measles 22, diphtheria 2, tuberculosis 7.

Huelva.—Month of February, 1910. Population 24,000. Total number of deaths from all causes 61, including typhoid fever 1, smallpox 2, diphtheria 2, tuberculosis 11.

Malaga.—Month of January, 1910. Population 133,993. Total number of deaths from all causes 342, including typhoid fever 6, diphtheria 3, tuberculosis 34.

Seville.—Month of February, 1910. Population 154,315. Total number of deaths from all causes 387, including smallpox 2, measles 1, diphtheria 2, tuberculosis 66.

ST. THOMAS.—Two weeks ended March 11, 1910. Population 11,012. Total number of deaths from all causes 14. No contagious diseases.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.